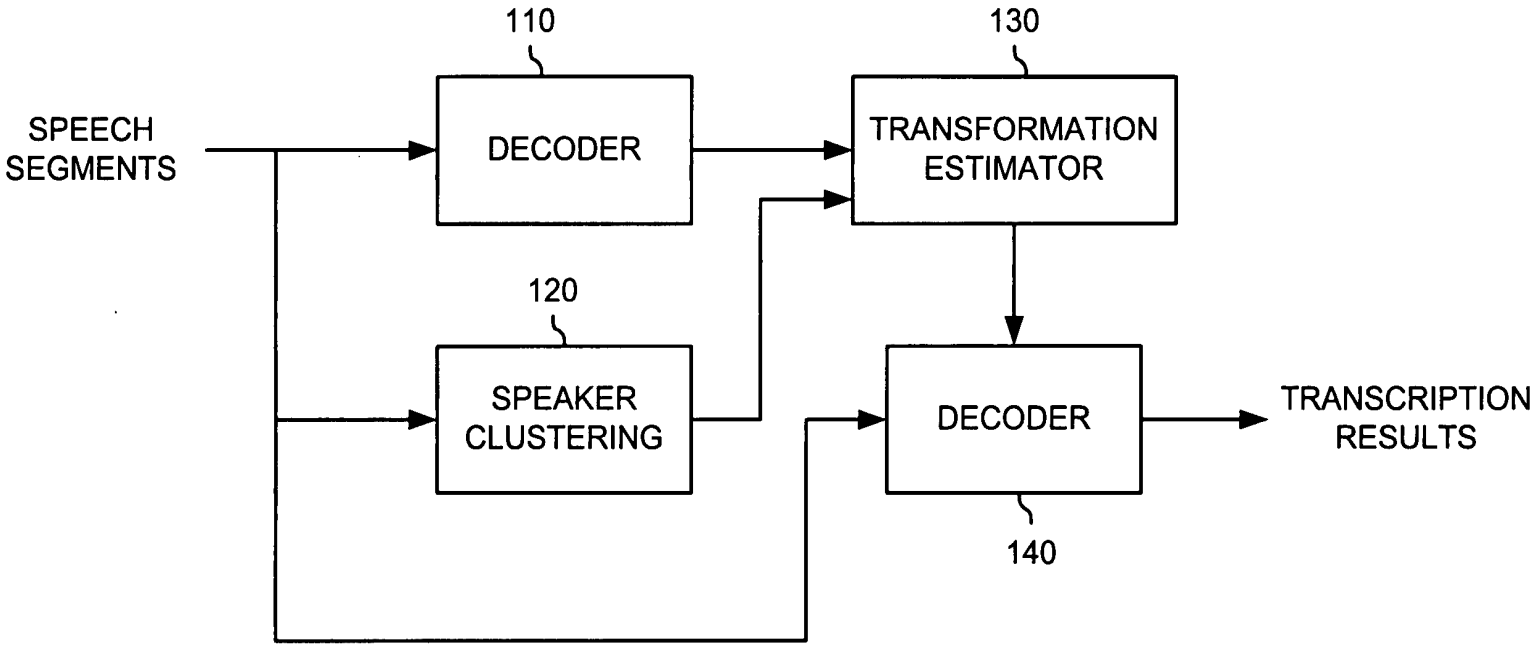
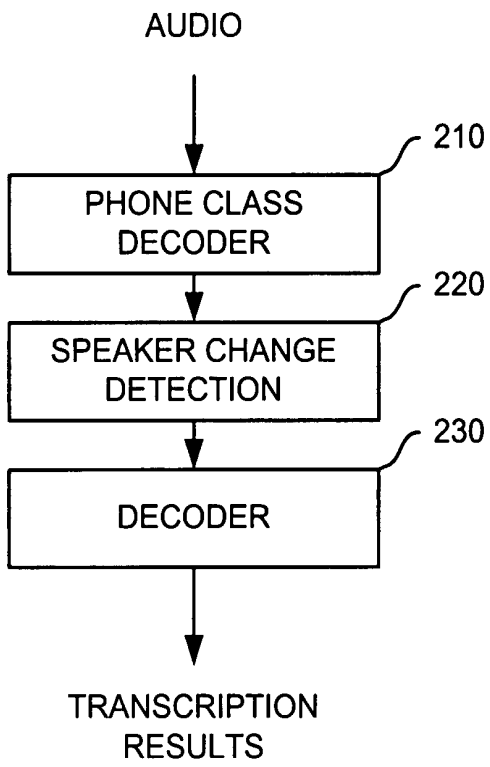


FIG. 1
(PRIOR ART)

200

FIG. 2


AUDIO
210
PHONE CLASS DECODER
220
SPEAKER CHANGE DETECTION
230
DECODER
TRANSCRIPTION RESULTS

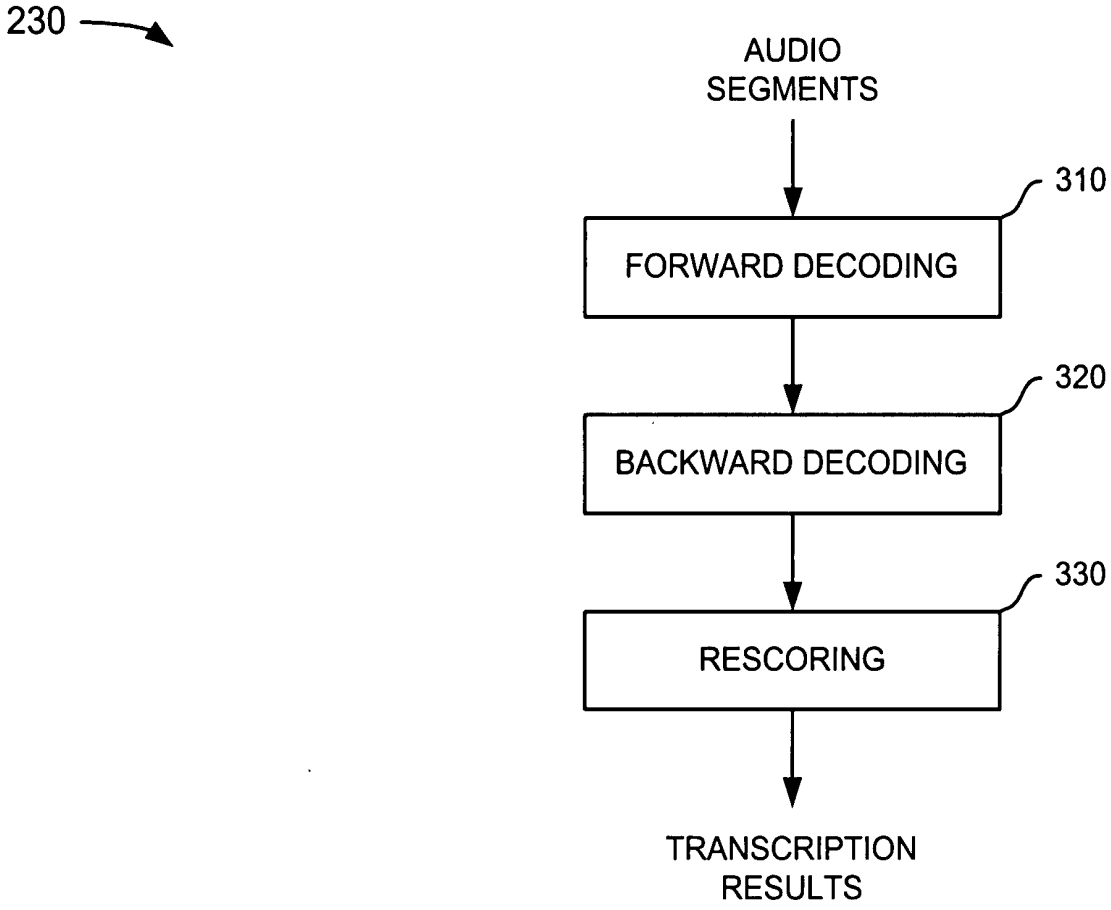

230
AUDIO SEGMENTS
310
FORWARD DECODING
320
BACKWARD DECODING
330
RESCORING
TRANSCRIPTION RESULTS

FIG. 3

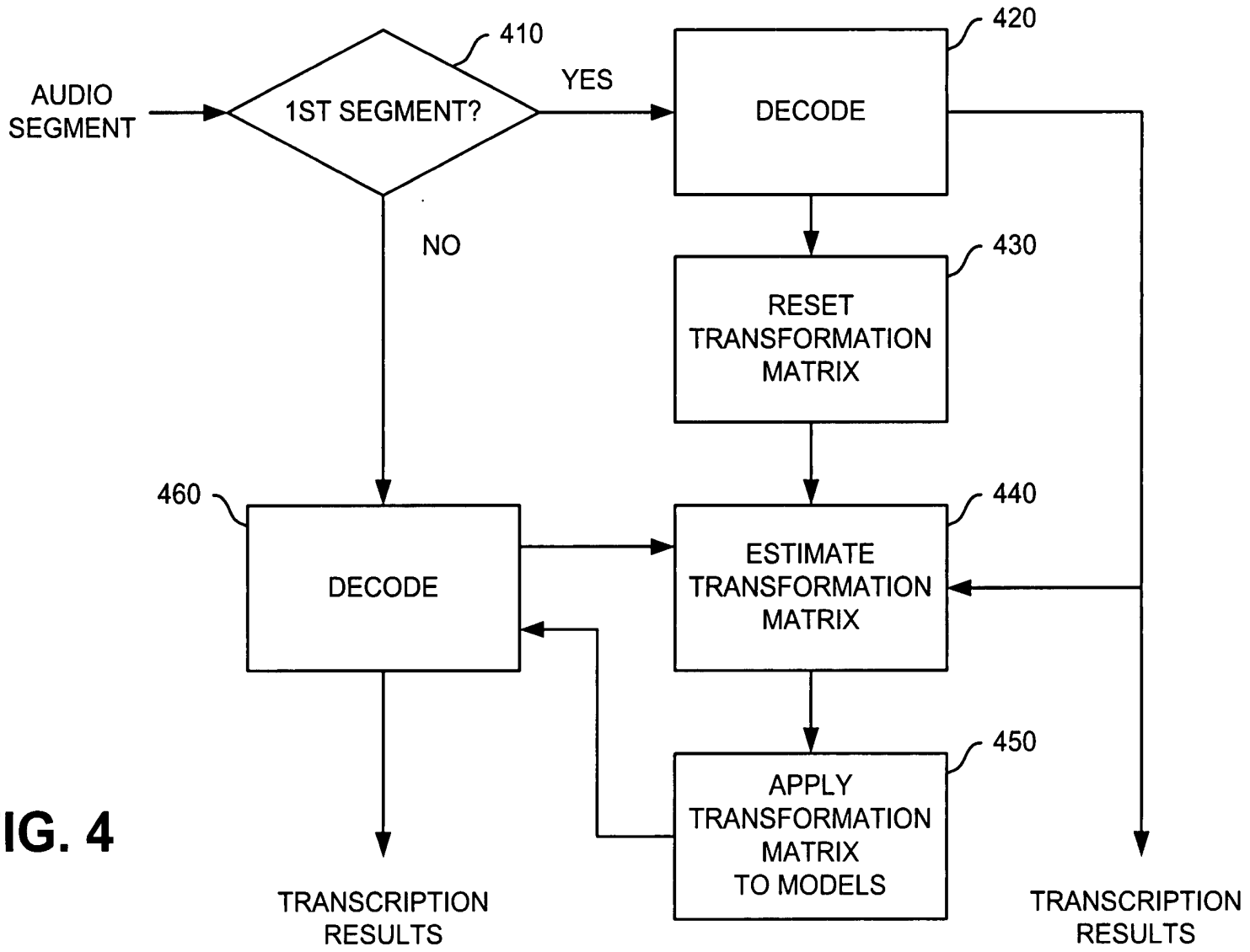

AUDIO SEGMENT
1ST SEGMENT?
410
YES
NO
DECODE
420
RESET TRANSFORMATION MATRIX
430
ESTIMATE TRANSFORMATION MATRIX
440
APPLY TRANSFORMATION MATRIX TO MODELS
450
DECODE
460
TRANSCRIPTION RESULTS
TRANSCRIPTION RESULTS

FIG. 4

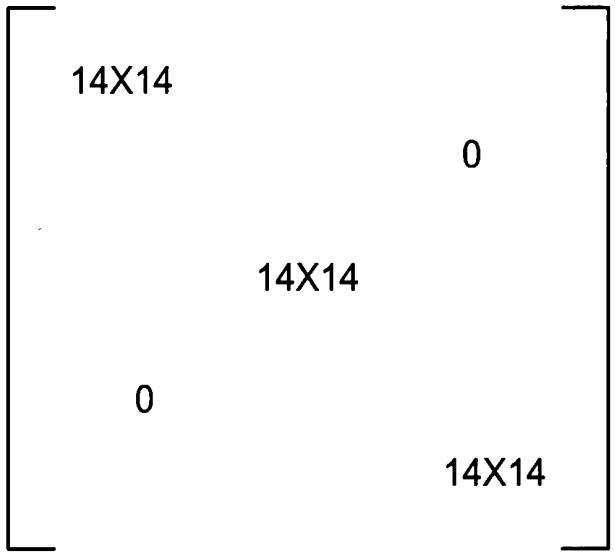


FIG. 5